

PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE INSTALLATION OF A NEW HAZARD IDENTIFICATION BEACON FOR THE PEDESTRIAN REFUGE ISLAND ON THE NORTH LEG OF BUS. US 1 AT ARCHER ST. IN HARFORD COUNTY. BUS. US 1 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION.

INTERSECTION OPERATION

THIS HAZARD IDENTIFICATION BEACON SHALL BE WIRED TO THE CONTROLLER AT THE INTERSECTION OF BUS. US 1 AND ATWOOD ROAD, APPROXIMATELY 1000' TO THE SOUTH.

EQUIPMENT LIST "A"

A. EQUIPMENT TO BE FURNISHED BY SHA AND INSTALLED BY CONTRACTOR

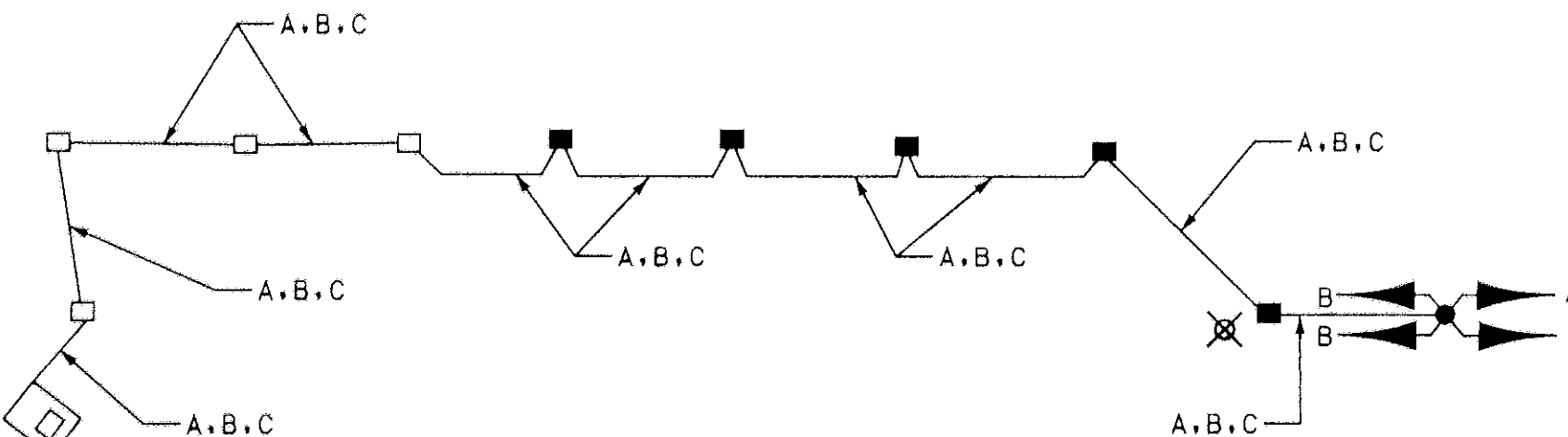
ITEM NO.	QUANTITY	DESCRIPTION
9005	24 S.F.	SHEET ALUMINUM SIGNS TO CONSIST OF THE FOLLOWING: -2 EA. W11A-2 SIGN (36" X 36") FLY/G - POLE MOUNT -2 EA. M6-2 SIGN (21" X 15") FLY/G - POLE MOUNT

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR
ALL EQUIPMENT SHALL HAVE CATALOG CUTS SUBMITTED TO THE SHA DOTS FOR APPROVAL PRIOR TO INSTALLATION.

CATEGORY CODE	QUANTITY	DESCRIPTION
801004	1 CY	FURNISH AND INSTALL CONCRETE FOR SIGNAL FOUNDATION
818010	1 EA	FURNISH AND INSTALL 14 FT. BREAKAWAY PEDESTAL POLE
805145	20 LF	FURNISH AND INSTALL 2 IN. SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
805155	700 LF	FURNISH AND INSTALL 4 IN. SCHEDULE 80 RIGID PVC CONDUIT-SLOTTED
811001	5 EA	FURNISH AND INSTALL ELECTRICAL HANDHOLE
837001	1 EA	FURNISH AND INSTALL GROUND ROD - 3/4" X 10'
800000	2250 LF	FURNISH AND INSTALL ELECTRICAL CABLE - 5 CONDUCTOR (NO. 12 A.W.G.)
802501	1100 LF	FURNISH AND INSTALL NO. 6 A.W.G. STRANDED BARE COPPER GROUND WIRE
800000	4 EA	FURNISH AND INSTALL 12 IN., BLACK FACED TRAFFIC SIGNAL HEAD SECTION WITH PEDESTAL POLE MOUNTING HARDWARE
800000	24 SF	INSTALL POLE MOUNTED SIGN

WIRING DIAGRAM



WIRING KEY

- A-B 5 CONDUCTOR ELECTRICAL CABLE (NO. 12 A.W.G.)
- C STRANDED BARE COPPER GROUND WIRE (NO. 6 A.W.G.)
- 3/4 IN. X 10 FT. GROUND ROD

CONTACT PERSONS FOR DISTRICT 4 ARE AS FOLLOWS:

MR. DAVID MALKOWSKI
DISTRICT ENGINEER
(410) 321-2810

MR. JOSEPH MCMAHON
ASSISTANT DISTRICT ENGINEER - UTILITIES
(410) 321-2841

MR. RANDALL SCOTT
ASSISTANT DISTRICT ENGINEER - TRAFFIC
(410) 321-2781

MR. DAVE RAMSEY
ASSISTANT DISTRICT ENGINEER - MAINTENANCE
(410) 321-2761

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF SR.
CHIEF, TRAFFIC OPERATIONS
(410) 787-7630

MR. EUGENE BAILEY
TEAM LEADER SIGN OPERATIONS
(410) 787-7676

MR. ROBERT SNYDER
ASSISTANT DIVISION CHIEF,
TRAFFIC OPERATIONS
(410) 787-7631

MR. DAVID SCHWARTZ
SUPPLY OFFICE IV (SIGNAL SHOP WAREHOUSE)
(410) 787-7668

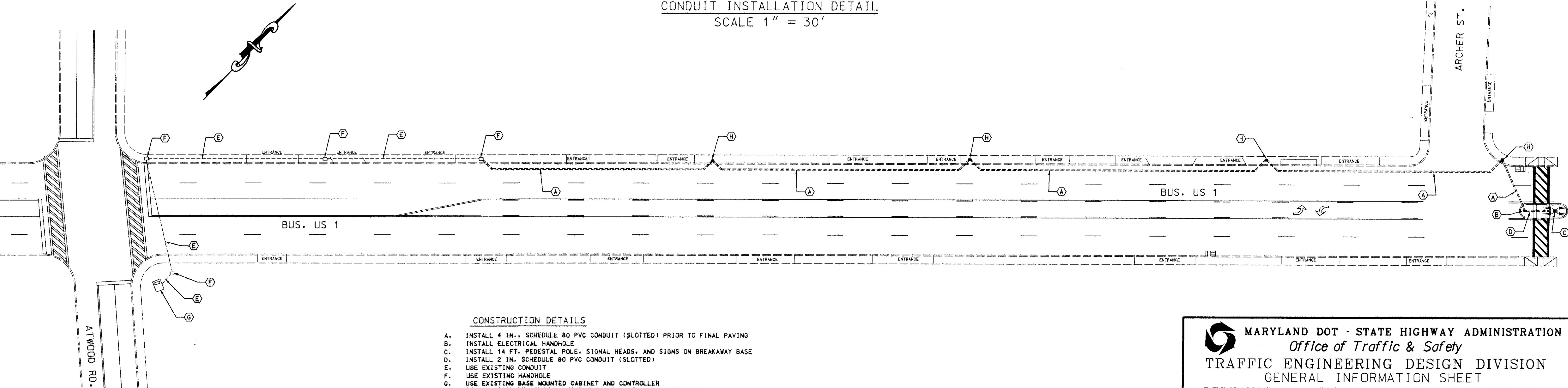
MR. ED RODENHIZER
TEAM LEADER SIGNAL OPERATIONS
(410) 787-7652

EQUIPMENT LIST "C"

C. EXISTING EQUIPMENT TO BE REMOVED BY THE CONTRACTOR AND DELIVERED TO THE STATE HIGHWAY ADMINISTRATION, 7491 CONNELLEY DRIVE, HANOVER, MARYLAND 21076. THE CONTRACTOR SHALL NOTIFY THE SHA AT (410) 787-7652 AT LEAST THREE DAYS IN ADVANCE OF DELIVERY.

ITEM NO.	QUANTITY	DESCRIPTION
NONE		

CONDUIT INSTALLATION DETAIL
SCALE 1" = 30'



CONSTRUCTION DETAILS

- A. INSTALL 4 IN., SCHEDULE 80 PVC CONDUIT (SLOTTED) PRIOR TO FINAL PAVING
- B. INSTALL ELECTRICAL HANDHOLE
- C. INSTALL 14 FT. PEDESTAL POLE, SIGNAL HEADS, AND SIGNS ON BREAKAWAY BASE
- D. INSTALL 2 IN. SCHEDULE 80 PVC CONDUIT (SLOTTED)
- E. USE EXISTING CONDUIT
- F. USE EXISTING HANDHOLE
- G. USE EXISTING BASE MOUNTED CABINET AND CONTROLLER
- H. REMOVE SIDEWALK, INSTALL HANDHOLE AND INSTALL NEW SIDEWALK



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety

TRAFFIC ENGINEERING DESIGN DIVISION
GENERAL INFORMATION SHEET
PEDESTRIAN HAZARD IDENTIFICATION BEACON
BUS. US 1 AND ARCHER STREET

DRAWN BY: T.M.Z	F.A.P. NO.	TS NO.
CHECKED BY: K.W.S	S.H.A. NO.	4117 GI
SCALE: NONE	COUNTY: HARFORD	T.I.M.S. NO.
DATE: 6-18-01	LOG MILE: I21BU002.41	SHEET NO. 2 OF 2